

Irrigation's Greatest Feat.

A Tunnel Nearly Six Miles Long
to Make a Desert Bloom.

MONTROSE, Col., July 1.—Work on the most difficult irrigation project that the United States Reclamation Service has undertaken will begin near here in a few days. The Gunnison River, which now runs through a precipitous cañon between walls of rock 3,000 feet high, is to be diverted, through a tunnel five and three-quarters miles long, into the Uncompahgre Valley, where 150,000 acres of arid lands will be rendered fertile by its waters.

The difficulty of the project lies in the boring of the tunnel through the Vernal Mesa, the tableland that forms one side of the Grand Cañon of the Gunnison and separates it from the Uncompahgre Valley. There is nothing to equal it in the wonderful story of irrigation in America, and in American railroad building only the Hoosac Tunnel approaches it in length.

Chief Engineer F. H. Newell of the Reclamation Service said, in accepting the report of the Uncompahgre Valley Water Users' Association, in Denver, the other day, that while the history of ancient Rome might record a similar engineering feat of equal importance, there was nothing since then to compare with it.

The Uncompahgre Valley lies in south-west Colorado and comprises parts of Montrose, Ouray and Delta counties. The valley, the river that divides it and the mountains that flank it were all named after the Uncompahgre Utes, the aborigines of this region.

Capt. J. W. Gunnison, when he made the exploring tour of this region that ended in his death, declared the valley worthless. Every one else held the same opinion until the practicability of diverting the Gunnison was considered.

The valley is about thirty miles long and averages nine miles in width. Some of it is now irrigated by the Uncompahgre River, but this tract comprises only about 10,000 acres, while there are 150,000 acres that the tunnel will be the means of reclaiming.

The supply of water from the Uncompahgre is only fair at best, but what it will do is shown about this town, which, with a population of 1,200, is the largest in the valley. Here are fine orchards of apples, peaches and pears, yielding as high as \$400 an acre. Further down the valley there are only alkali soil and sage brush, such as you will see for hours in crossing the desert.

About ten years ago landowners in the Uncompahgre valley were awakened to the fact that while they had no water thousands of cubic feet of it was going to waste each second through the Gunnison cañon, only twelve miles away and parallel to them. The steep walls of the cañon make cultivation there impossible, and the river, from its source, in the Continental Divide, is kept in its prison, till freed at its junction with the North Fork near Delta. The bar to the project was the supposed impenetrability of the cañon. No explorer had been able to follow the Gunnison through those walls of rock, from 2,000 to 3,000 feet high and showing between them only a narrow slit of sky. During the ten years the matter was frequently discussed, but nothing was accomplished.

In 1900, a party of residents of the Uncompahgre valley made the first investigation of the Gunnison as a source of water supply. They explored the cañon for twenty-one perilous days, and succeeded in getting only half way through it. The record of their journey is a succession of hairbreadth escapes.

They returned convinced that the project would be too costly to be practicable. Later

in 1900 there was a cursory investigation by the Government, and in 1901 the first systematic survey was begun by A. L. Fellows, district engineer of the Reclamation Service.

Mr. Fellows is the man to whom the Gunnison tunnel will owe its existence. He explored and surveyed the region for three years, found that the tunnel was feasible and selected two locations for it, of which that known as the upper location has been finally chosen.

Mr. Fellows and W. W. Torrence, who accompanied him, were the first men to explore the cañon for its entire length. They were ten days covering the thirty

miles and during that time had to take to the water seventy-six times, when traveling on land was impossible.

The cost of constructing the tunnel Mr. Fellows estimated at \$2,500,000. The next step was to secure the approval of the Secretary of the Interior and the necessary appropriation, which the passage of the National Irrigation Act in 1902 rendered possible.

By this act provision was made for turning the proceeds of the sale of public lands into the reclamation fund. The Government is empowered to execute projects for the irrigation of public lands upon an agreement by property owners benefited

to pay for the cost of construction in water rents within a fixed period. The proceeds of these rents are again turned into the reclamation fund.

In the Gunnison tunnel project the Government dealt with the Uncompahgre Valley Water Users' Association, composed of property owners in the district to be irrigated. What the Government asked was that the land should be pledged for the use of sufficient water rights to insure the payment of the \$2,500,000 required for the construction of the tunnel, the payment to be made in ten yearly installments. The association went ahead and secured the pledges, and in its report to Chief Engineer Newell pledged in excess of the 50,000 acres required were given.

The Secretary of the Interior gave his approval to the project on June 7; the \$2,500,000 has been appropriated and the work of construction is about to begin.

Mr. Fellows says that it will take three years to complete the tunnel, of which two years will be devoted to boring and one year to concreting. The bore is through granite and shale, in about equal quantities.

The tunnel will be about 12 feet square and will have a fall of two feet in a thousand. Its length will be about 30,000 feet, approximately 15 miles. At the diverting point in the Gunnison, diversion gates will be constructed. There will also be provision for a forest reserve at the headwaters of the river, to insure the permanency of the supply.

When the water gets through the tunnel a system of irrigating canals will distribute it. There are four such canals in the Uncompahgre Valley now. The largest of these, the Montrose and Delta, is owned by a Connecticut insurance company.

There is no doubt that the diversion of the Gunnison will make the Uncompahgre Valley a region of great fertility. It will be another of the wonders that irrigation has done in Colorado. It is hard to realize that the fields and orchards at Greeley, Oray and Lamar and here at Montrose were once barren and desolate as the sunbaked plains down the valley and that the little irrigating ditches have effected the change.



GRAND CAÑON OF THE GUNNISON RIVER.

ORCHARD NEAR MONTROSE, COL. SHOWING IRRIGATING DITCHES

TAKING CHANCES ON A BOOK

A PUBLISHER TELLS ABOUT
THE GAMBLING PHASE OF
AUTHORSHIP.

"Writers of books are not the most reasonable people in the world," remarked a well known publisher. "Many of them possess business views that are simply childish."

"I permitted myself to become unnecessarily vexed with a writing man who came in here to see me only yesterday. Last autumn we published a piece of fiction of his. It was his first book. Quite unexpectedly—that is, we of the firm didn't expect it, even if the author did—the book made a big success from the outset. Inside of three months we sold between 75,000 and 100,000 copies of it. These big sales, of course, put the young man who wrote the book in clover. His royalties during the first three months were about \$10,000."

"He had never had anything like so much money in bulk before, and I grieve to say that he lost his head. He had a passion for horseracing. Now, \$10,000 is a right tidy little sum of money if devoted to the ordinary uses and comforts of life, but it isn't such a terrible lot of money where it is to gratify a passion for horseracing."

"Virtually all of this writing young man's \$10,000 royalty money on his first book went into the saddle of the bookmaker. Just about this time the sales of his book began to sag some."

"He noticed this, for he was very careful in his scrutiny of our sales accounts. He figured that it would be a good thing for him to get from under. He needed some more money, and so he came to me and offered to sell his interest in the book for a pal \$2,000."

"I advised him not to do this. I told him that books had a queer habit of getting their second wind and coming again, so to speak, and that he stood a pretty good chance to make a lot more than \$2,000 out of his book if he'd only be patient and wait for his royalties."

"But, no, he couldn't see it. He had it all figured out that his book had seen its little day, that he'd rather be putting it on us if he got \$2,000 out of us for his interest in it."

"We gave him the \$2,000, and he signed away his right to any interest in his book. It was a bit of a gamble with us, too, you are to understand, yet we had a fair right to

presume that a book that had sold 90,000 copies in three months would, even if the sales were letting down some, go on winning out at least enough to make good for the \$2,000 we were paying out to acquire complete title to the book."

"Well, the thing fell our way. Not long after we had given the author the \$2,000 he was so eager to obtain for his interest the book began to sail along again quite wonderfully. I don't mind admitting, either, that we did a bit of extra advertising and booming for the book as soon as we had got hold of the complete title to it, and, of course, this helped to give the piece of fiction its second wind."

"Since buying the young man's book, we've sold 60,000 copies of his book, and it's still going ahead at a most profitable clip for us, although I never could see that it was much of a book, at that."

"The writing young man, of course, heard how well his book was doing after he had disposed of his interest, and he grumbled."

"Yesterday he came in here to see me. After beating about the bush for a while he shamed to the point."

"Said he'd heard how well his book had been going since he'd sold out, and asked me whether, in view of that, I didn't think it would be only the fair thing to offer him at least a portion of the takeoff. A straight case of the baby act, you perceive."

"Why should I do that? I asked him. 'You sold me the book, and it's mine now, isn't it?'"

"Oh, yes, he was willing to admit that the book was mine, all right, but when he'd sold out his interest he'd had no idea that it was going to continue to bound along the way it had, and he thought that as long as he had chiseled himself the way he had, why—"

"And yet," said I, "when you sold out to me for \$2,000 you were convinced that you had away the better of the bargain, weren't you—rather thought that I'd be coming out at the little end of the horn on the transaction, didn't you?"

"Well, he'd thought at the time of selling out that the \$2,000 proposition would be a fair shake all around, he said, but when the sales had turned out so big since, why—"

"His attitude was so childish that I became a bit warm over it. In my warmth I fell into parable."

"Look here," I said to the young author, "you had more business to treat him decent, didn't you?"

"I wish I didn't," he replied, somewhat mournfully.

All right," said I. "Now, supposing that last fall you had sold to me a two-year-old colt that had won a number of big stakes for you, but had gone a trifle lame from over-exercising—so lame in fact that you had concluded that the colt wouldn't develop into a good three-year-old, and so were perfectly willing to sell to me at your own figure."

"Supposing I had taken that colt and patched him up and sent him to the races this spring, to find that he made good for me right along and won quite a lot of money for me. Would you, in such a case, come to me with a booby face and ask me for a share of the profits earned by the colt you had been so willing and eager to sell me last year?"

"Would you consider yourself in any way even morally, if not legally, entitled to any of that money?"

"You're right, and I'm a cry baby," said the young man to that, his generous avowal of his own fault. "I had looked upon the matter in that light, but I can see that it's the same thing. Only thing for me to do is to write another book and then hang out my shingle."

"I told him to peel off his coat and go right at that other book and deliver it to me at the earliest possible moment, and I gave him a check for advance royalties on the still unwritten book at that."

"I mention the case of this young author because it is a typical one with respect to a book, no matter which way the cat of public popularity jumps, most authors are inclined to be dissatisfied, and develop the notion that they are getting the worst of it."

"You see, few of them are what you'd call good gamblers. They don't want to take any chances. They want a sure thing every time."

"Now, any publisher will tell you that nowadays every book is more or less of a gamble as every book by an unknown writer is an absolute, out and out gamble. The author, in nine cases out of ten, expects the publisher to do all of the gambling, and take all of the chances. The average author is a strong believer in the heads I win, tails you lose system."

"The majority of new authors want the publishers to buy their books outright. They've heard that only about one book in a hundred ever pays for the printing, electrotyping, and binding of the first edition, and they don't like these 99 to 1 shots. So they want to sell outright."

"If the book looks pretty good, and we buy it outright, paying what we think it's worth—which is always a very large cut out from what the author thinks it's worth—and the book is a go right from the start, why, the author is sulky and discontented over it. He's glad that his book is a success, of course, but he has a childish feeling that his publishers have done him, and his pouting is something dismal to contemplate."

"On the other hand, the new author gives ear to the publisher's counsel, and disposes of his book on the royalty basis. The book falls dead, the writer not getting anything like as much out of it as he would have got had he sold it outright, why, there again he has a grievance, and he fares forth into the highways and byways and tells everybody he meets what a crafty, close-fisted, Old Scrooge lot the publishers are."

"Occasionally there's an author who takes a sporting view of all these things, and in dealing with a man like that we're a great deal more inclined to treat him decent, isn't it?"

and fill the air with lamentations.

"One of the most successful men now on our list of authors knew how to take his medicine when he first brought his wares to us, and he has assuredly lost nothing by it."

"The first book he gave to us on the royalty basis. It was a far sadder piece of fiction than the average, but it had a still biter. Couldn't give it away."

"It came along at the wrong hour, or something, but anyhow he never got a cent out of it, for we didn't get back the first cost of putting the book on the market, and there was the usual stipulation in the contract that 2,000 copies of the book had to be sold before the author's royalties should begin. We couldn't get rid even of that first edition of 2,000 copies, and so the author didn't get a nickel out of his book."

"But he didn't make any complaint at all. Said that he'd been taking chances all his life, and that he never looked for the color of money or review in the market, and there was the usual stipulation in the contract that 2,000 copies of the book had to be sold before the author's royalties should begin. We couldn't get rid even of that first edition of 2,000 copies, and so the author didn't get a nickel out of his book."

"Well, that second book was the biggest kind of a winner from the first day it appeared on the counters. After the first fortnight we were brooding over our binders because they didn't let us have enough copies of the book. This firm's got a stock of 500, and we bought the book at that figure. We had a good deal of respect for that writer on account of the game way he'd taken his failure to make the cost of his pens and ink and paper out of his first book."

"The book started right off among the six best sellers of the week, and in that particular case we wouldn't have felt at all put out, much less surprised, had the author turned up and suggested that he thought he ought to have a look-in for some of the big profits."

"But he never came near us. Didn't emit a whine when all of the newspapers, in their literary reviews, were cracking him up to the skies, and when the publishers' trade papers were commenting upon the big sale of the book was having."

"He had taken the usual poetical and peevish part of authors in such circumstances. The book would certainly have been a success, of course, but he has a childish feeling that his publishers have done him, and his pouting is something dismal to contemplate."

"If he had taken the first thing he knew of the royalties basis, I told him, pulling the contract for the outright \$500 sale of the book out of a drawer and tearing it up with my eyes, and when he'd got a soft feeling for writing folks that've got some sporting blood in them and don't do the baby act, and I wrote him a check for his royalties at the regular rate up to that date, a sum amounting to more than \$10,000."

"It's not often that you'll see a full-grown man come so near falling down for no apparent reason as that one did when he cast his eye over that check. And I beg to assure you that it was by no means wholly because we wanted to retain so valuable a man on our list of authors that we decided to give him full royalties on a winning book that he had sold outright to us for so inconsiderable a sum compared to the profits, as \$500. He'd never have got it had he whimpered for it or demanded it as a right."

"In other respects, too, we find some of the authors extremely unreasonable and hard to get on with. Nobody expects a writer of fiction to be a good business individual, but you'd naturally suppose that such people would read a contract, anyhow, before signing it."

"Once in a while some author comes in this office a few months ago just because a new author on our list had failed to read the terms of the contract he signed in delivering a book to us."

"You see, it is the custom of publishers in these days of dramatized novels to stage the hold of a novel in the contract. The clause is inserted in all of the contracts for books of fiction, as a matter of course."

"Once in a while some author comes along who makes a kick over the clause, and when that happens, why, we come to the end of a long and tiresome fight. If his book is particularly promising, whereby we agree to share and share alike in the dramatic rights."

"However, however, the authors skip this clause altogether, having little idea that anybody will ever want to use their books for stage purposes. And when they skip the clause, and sign the contract, the dramatic rights belong to us, as a matter of course."

"This is what happened in the case of a pretty good seller we published a year ago last spring. The author didn't pay any attention to the clause as to the dramatic rights, and signed the contract handing them over to us."

"When the book got to going well a number of different adapters for the stage got hold of it simultaneously and saw at once that it was eminently well adapted for dramatization. They immediately dug the author up, and the first thing he knew he had them bidding, and in pretty good sums, too, for the dramatic rights to his book."

"Then he came down to me, a good deal elated."

"Said, 'I'm going to have that book dramatized.' 'Who's going to do the work of dramatizing it?'"

"He mentioned the name of a well known stage adapter."

"All right," said I. "You send him down to me and I'll talk with him and give him my figure for the dramatic rights. The dramatic rights belong to me, you know."

"He was up in the air in less than a second, storming and throwing his arms around. He showed him, and the first thing he knew it would be simply swinish—that's the word he used—on my part to hang on to the dramatic rights when they clearly belonged to him, the author, morally, anyhow, in spite of the old contract."

"It was a rough house sort of a time we had of it here over that little point, and I wasn't the loser, either. At that, I believe if the young man hadn't stormed and raged at me the way he did, I'd have out the dramatic rights to him and given him half."

"But I didn't. I just remained swinish."

THE HUMOROUS SIDE OF LIFE.

From the Youth's Companion.

The lawyer shook his finger warningly at the witness and said, "Now, we want to hear just what you know; not what some one else knows, or what you think, or anything of that kind, but what you know. Do you understand?"

"Well, I know," said the witness, with emphasis, as he lifted one limber leg and laid it across the other, "I know that Clara (she said this) told me that she had heard John Thomas's wife tell Sid Shuford that her husband was there when the fight took place, and that she said that they slung each other around in the bushes right considerable."

Evidence of Thirt.

From the Chicago Record Herald.

"Mrs. Maudie, a young woman," "I know it. She worried herself nearly sick because her husband paid his life insurance premium two days before it was due. It would have been just that much good money, but she complained, if he had died in the mean time."

He Knew His Business.

From the Philadelphia Public Ledger.

A country vicar, who invited his flock once a year to supper in the school room, entrusted his handy man with the delivery of the invitation cards. A day or two before the supper he reversed the order of the faithful fellow sitting by the roadside in an advanced state of hilarity.

"Good gracious, Jenkins, what does this mean?"

"I'm dud—dud—drunk, sir."

"So it seems. How did you get into this shocking state?"

"It's all along of them cards, sir. I takes 'em round, and gets 'em to drink summat, and so I gets like this."

"Why, this is terrible! Are there no temperance people in the parish?"

"Lor, sir, lots of 'em; but I send their cards by post."

Had Him Off on Time.

From the Atlanta Constitution.

An aged Billville citizen engaged the town poet to write an obituary on a late friend of his, and the following was submitted: "He left this world of sorrow in another world to shine. And reached the heavenly portals just as the clock struck 9."

"The only trouble about that," said the old man, "is that he didn't leave here till 12."

Over the Telephone in Missouri.

From the Richmond Missourian.

This conversation took place over the telephone at Richmond: "Hello!" "Hello!" "Are you in?" "No, I'm not yet."

She hung up the receiver like hitting the box with a rock.

Weeping at the Ice House.

From the Indianapolis Journal.

An attendant at Mount Vernon not long since found a lady weeping most bitterly and audibly with her handkerchief at her eyes. He stepped up to her and said: "Are you in any trouble, madam?"

"No, sir," she sobbed.

"If so weeping."

"Ah!" said she, "how can one help weeping at the grave of the Father of His Country?"

"Oh! Indeed, madam," said he, "that's it! The tomb is over yonder. This is the ice house."

How Great Was His Grief.

From the Louisville Herald.

"I have just come down from one of our little country towns," said F. M. Carson of Buffalo last night, "and while there I saw a great big, tall, husky-looking fellow, wearing a broad-brimmed black hat and a mustache of luxuriant growth, come rushing into a barroom, saying: 'Hello, Bill! Give me a drink quick. I'm in a hurry. John, but whiskey's just gone out. Have to tap a new barrel in the cellar, I guess.'"

"All right," said John, the broad-brimmed man, "I reckon I've got to wait, but hurry up with that drink. I just heard my house is on fire."

"John had his drink, the burning of his house to the contrary notwithstanding."

She Wanted an Experienced Artist.

From Success.

A woman who had become suddenly rich was travelling in Europe, and while there it occurred to her that it was the proper thing to have her portrait painted by a prominent artist. Accordingly she called at the studio in Paris of a painter of high reputation.

"Will you kindly sit down and wait a few moments," asked the attendant, when Mrs. Newrich had stated her errand.

"Well, I'm in a hurry. Is your master busy?" she asked.

"Yes, madam. He is engaged on a study."

"On a study?" exclaimed Mrs. Newrich.

"Well, no matter, I guess I won't wait. I shan't want him to paint my picture. I want an artist who has got all through with his studies."

The Little Woman's Retort.

From the Kansas City Independent.

The mild business man was calmly reading his paper in the crowded trolley car. In front of him stood a little woman hanging by a strap. Her arm was being slowly torn out of her body, her eyes were flashing at him, and she constrained herself to silence.

Finally, after he had endured it for twenty minutes, he touched her arm and said:

"Madame, you are standing on my foot."

"Oh, no," she answered, "I thought it was a value."

He Did Not Survive His Death.

From the Detroit Tribune.

The will of Peter Johnson of Muskegon, filed for probate last week, sets a new precedent in thought and phraseology. Mr. Johnson, after signifying the disposition he wishes made of his property, offers the following explanation and further statement: "Why I give all these things is because I want to have care taken of me. If I get well from being sick, I will pay the money which I owe and also pay for my burial expenses."

"The filing of the will for probate indicates that the testator did not survive his death, and should not be harshly blamed if he failed to personally settle with the sexton and the undertaker."

In the Wrong Department.

From Harper's Weekly.

A prominent physician tells this story at the expense of the modern craze for specialization in the medical profession: A poor woman from the East Side of New York went to a nearby dispensary to ask aid for her little son, who had had one of his fingers smashed with a baseball bat. At the first moment where she applied she was told by a curt attendant that the boy could not be treated there.

"Wrong place," he explained, "this is the eye and ear department."

"Here he'd thumb and finger department!" inquired the woman, simply.

The Hindoo Idea of Wit.

From Gen. Girard's Diary.

An English lady reformer of uncertain age who once said in a lecture told the audience that she would be happy to answer any question, upon which a fat baboo asked to the front with "How old are you?"

"Oh, no," she replied, "I am only connected with the subject of the lecture. 'Are you old?'"

"Continued the baboo, nowise abashed. 'No, I won't answer such a question, was the reply.'"

"Oh, no, I told you I won't answer such questions. 'Are you old?' 'Oh, no, no, no, I'm not 60, the lady responded precipitately."

A shikari out partridge shooting was seen in fits of laughter, slapping his thighs in the ecstasy of his glee. On inquiring the cause of this hilarity he hurriedly said: "Hush, hush! The coolie, an Indian, one of the besters, 'has just been bitten by a green snake, but he thinks it is only a thorn! Don't tell him, or he'll be frightened and stop beating."

"But I didn't. I just remained swinish."

THE BUST OF THE REPUBLIC.

How a French Patriot Honored Liberty and Prepared for a Possible Change.

From the French.

The department of Gert in France for a long time under Bonapartist influence, suddenly changed its politics and sent Republican deputies to Paris.

The little village of Pelouat was the centre of the reaction, and the change was wrought about by the action of a brewer named Delatouch, who secured from the chief of the Cabinet a large sum of money to restore the church and assist the victims of the war. This